

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-30-85	
Company Amoco Production Company				Connection		
Pool Bravo Dome Carbon Dioxide Gas Formation Unit 640 Acre Area				Tubb		Unit BDCDGU
Completion Date 9-3-85		Total Depth 2985		Plug Back TD 2926		Elevation
Csg. Size 4-1/2	Wt. 10.5	d 	Set At 2982	Perforations: From 2542 To 2609		Well No. 1834 161 A
Tbg. Size 2-3/8	Wt. 4.7	d 	Set At 2497	Perforations: From To		Unit Sec. Twp. Rge. A 16 18 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2493		County Union
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2576		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
L 2576		H 2576	G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0
				Prover		Meter Run 4.0
						Taps Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							287			
1.	4.026 x 1.875			188	25	55	188	50		
2.	"			188	24	55	188	"		
3.	"			210	19	56	210	"		
4.	"			239	17	60	239	"		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1330
2							1307
3							1120
4							826
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	0	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	0	Deq.
2.					Specific Gravity Separator Gas	1.529	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X	
4.					Critical Pressure	1072	P.S.I.A.
5.					Critical Temperature	547	R

P _c 299.2	P _c ² 89.520	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.81$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.57$
NO.	P _t ²	P _w	P _w ²
1		200.2	49.440
2		200.2	49.440
3		222.2	40.148
4		251.2	26.419
5			

Absolute Open Flow		2088	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .76
Remarks:					
Approved By Commission:		Conducted By:		Calculated By:	
				D. D. Kimble	
				Checked By:	

1834 161A

46 7400

LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

$P_c \sim P_w^2$

$AOF = 2088$

$Q = MCFD$

